

(19) World Intellectual Property  
Organization  
International Bureau



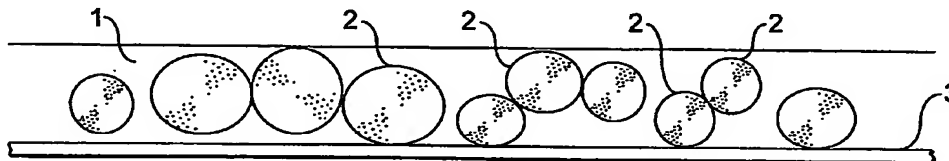
(43) International Publication Date  
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number  
**WO 2005/030883 A1**

- (51) International Patent Classification<sup>7</sup>: C09D 5/02, C08J 5/18
- (21) International Application Number: PCT/GB2004/004064
- (22) International Filing Date: 23 September 2004 (23.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 0322485.4 25 September 2003 (25.09.2003) GB
- (71) Applicant (for all designated States except US): DISPERSE LIMITED [GB/GB]; European Centre, Surrey Research Park, 40 Alan Turing Road, Guildford Surrey GU2 7YF (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CRUTCHLEY, Nigel, Stuart [GB/GB]; Department of Colour and Polymer Chemistry, University of Leeds, Leeds Yorkshire LS2 9JT (GB). GUTHRIE, James, Thomas [GB/GB]; Department of Colour and Polymer Chemistry, University of Leeds, Leeds Yorkshire LS2 9JT (GB). WHEELER, Derek, Alfred [GB/GB]; 3 Maybelle Close, Beare Green, Dorking Surrey RH5 4RJ (GB). LENON, Stephen, John [GB/GB]; 19 Foxglove Gardens, Merrow Park, Guildford Surrey GU4 7ES (GB).
- (74) Agents: HAYES, Adrian, Chetwynd et al.; BOULT WADE TENNANT, Verulam Gardens, 70 Gray's Inn Road, LONDON WC1X 8BT (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declaration under Rule 4.17:**  
— of inventorship (Rule 4.17(iv)) for US only
- Published:**  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR THE PREPARATION OF SURFACE COATINGS AND FILMS



(57) Abstract: A method of coating the surface of a substrate which comprises the steps of: i) contacting the surface with a polymerisable mixture comprising one or more polymerisable components and containing suspended droplets of a biliquid foam or of a high internal oil phase emulsion, the said droplets being stabilised by a non-reactive surfactant; and ii) polymerising the coating to form a polymer comprising the droplets entrapped therein.

WO 2005/030883 A1